

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| S1 | 5 | ("20020195317" "20030155212" "4413724" "4549647" "5429227").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/30 13:43 |
| S2 | 3 | ("5620084" "20020144880" "6520318").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/30 13:44 |
| S3 | 52 | ((kronseder near2 volker) or (humele near2 heinz) or (hausladen near2 wolfgang) or (kaiser near2 alexander)).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/30 13:46 |
| S4 | 253 | (198/347.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 12:12 |
| S5 | 274 | (198/594).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 12:32 |
| S6 | 37 | ("2932376").URPN. | USPAT | OR | OFF | 2008/10/31 13:11 |
| S7 | 421 | (198/812).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 13:14 |
| S8 | 61 | ("0653827" "1381974" "1492275" "1831122" "1915482" "2580054" "2619843" "2932376" "3294216" "3370693" "3506105" "3874497" "4168776").PN. OR ("4413724").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:25 |
| S9 | 47 | ("1489926" "3001635" "3139971" "3370693" "4413724").PN. OR ("4549647").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:27 |
| S10 | 28 | ("4201286" "4413724" "4549647").PN. OR ("5772005").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:28 |
| S11 | 27 | ("4018325" "4413724" "4469219" "4513858" "4549647" "4989718" "5722655" "5772005").PN. OR ("6152291").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:29 |

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| S12 | 32 | ("1580193" "3318439" "4018325" "4063632" "4201286" "4413724" "4469219" "4513858" "4549647" "4718656" "4889223" "4944315" "4989718" "5067857" "5350050" "5413213" "5417317" "5490589" "5636723" "5690463" "5772005" "5903464" "6026947").PN. OR ("6230874").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:29 |
| S13 | 36 | ("3318439" "4018325" "4201286" "4413724" "4469219" "4513858" "4549647" "4718656" "4944315" "4989718" "5350050" "5413213" "5490589" "5690463" "5772005").PN. OR ("6260688").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:30 |
| S14 | 35 | ("2551080" "2932376" "3316127" "3889797" "4142626" "4164997" "4530046" "4961488" "5231585" "5313402" "5491637" "5537325" "5611418" "5660264" "5680746" "5706201" "5742511" "5754451" "5757648" "5787002" "5844802" "5864480" "5867388" "5877961" "5883805").PN. OR ("6325198").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:30 |
| S15 | 2 | ("4904916" "6325198"). PN. OR ("6793065").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:31 |
| S16 | 22 | ("1766018" "2660513" "3710928" "4512456" "4651879" "4938337" "5457939" "5607045" "5711411" "6079541"). PN. OR ("6354427").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:32 |
| S17 | 8 | ("4467908" "5671585" "5713403" "5816029" "6354427" "6436330" "6698160" "6834478"). PN. OR ("7140161").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:33 |
| S18 | 6 | ("4023513" "5607045" "5711411" "5778633" "6302172" "6354427"). PN. OR ("6796342").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:35 |

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| S19 | 13 | ("1766018" "2374326" "3802547" "4388989" "5246098" "5275275" "5439095" "5558200" "6112881" "6354427").PN. OR ("6520318").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:35 |
| S20 | 24 | ("3570647" "3881607" "3944058" "4183428" "4468277" "5711411" "5743377").PN. OR ("6079541").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 13:36 |
| S21 | 2 | ((("3990316") or ("6279722"))).PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:06 |
| S22 | 38 | (198/460.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:13 |
| S23 | 168 | (198/588).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:14 |
| S24 | 73 | (198/574).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:19 |
| S25 | 210 | (198/598).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:21 |
| S26 | 599 | (198/465.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:24 |
| S27 | 47 | ("3318439" "3682295" "4018325" "4063632" "4201286" "4364465" "4401020" "4413724" "4469219" "4513858" "4549647" "4718656" "4863010" "4944315" "4989718" "5067857" "5267821" "5277294" "5282525" "5335780" "5350050" "5413213" "5490589" "5690463" "5722655" "5772005" "6026947" "6152291" "6168005" "6182812" "6230874" "6260688" "6334528" "6382398" "6497321" "6523669" "6533103" "6550602" "6585104" "6591963" "6612420" "6698581" "6725998" "6817464" "6848563" "7032742").PN. OR ("7191896").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 14:33 |
| S28 | 234 | (198/465.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:35 |
| S29 | 127 | (198/469.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/10/31 14:38 |

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| S30 | 13 | ("1766018" "2374326" "3802547" "4388989" "5246098" "5275275" "5439095" "5558200" "6112881" "6354427"). PN. OR ("6520318").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/31 14:58 |
| S31 | 112 | (198/375).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 08:26 |
| S32 | 50 | (198/377.07).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 08:34 |
| S34 | 64 | (198/377.03).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 08:45 |
| S35 | 374 | (198/412).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 10:12 |
| S36 | 129 | (198/417).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 10:30 |
| S38 | 281 | ((198/440) or (198/441)). CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 10:42 |
| S39 | 155 | (198/457.05).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 10:49 |
| S40 | 31 | ("1726657" "1733409" "2078236" "2168191" "2346583" "2363920" "2465690" "2986261" "3160259" "3701407" "3721331" "3960266" "4413724" "4549647" "4690266" "5088589" "5228551" "5634550" "5772005" "6202829" "6241074" "6478144"). PN. OR ("6896120").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 10:50 |
| S41 | 0 | (198/459.02).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 10:55 |
| S42 | 92 | (198/459.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 10:55 |
| S43 | 41 | ("2298386" "2463970" "3450250" "3575282" "3952860" "4290762" "4555014" "4597492" "4664253" "4893709" "5076422" "5127515" "5307923").PN. OR ("5429227").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 10:58 |
| S44 | 16 | ("1421178" "2789685" "2980236" "3225901"). PN. OR ("3575282").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:02 |
| S45 | 24 | ("2768733" "2850149" "2960210" "3338380" "3575282").PN. OR ("4294345").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:03 |

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|-----|-----|---|---------------------------|----|-----|---------------------|
| S46 | 2 | ("2768733").URPN. | USPAT | OR | OFF | 2008/11/03 11:08 |
| S47 | 47 | ("1489926" "3001635" "3139971" "3370693" "4413724").PN. OR ("4549647").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:08 |
| S48 | 39 | (198/463.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 11:11 |
| S49 | 24 | (198/466.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 11:15 |
| S50 | 363 | (198/470.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 11:19 |
| S51 | 5 | ("4905818" "6227589" "6234466" "6578843" "6830241").PN. OR ("7404549").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:20 |
| S52 | 5 | ("5683729" "5863571" "6386857" "6649118" "6779651").PN. OR ("7140870").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:23 |
| S53 | 10 | ("3175702" "3938847" "3987605" "4023513" "4172514" "5711411" "5743377" "6371279" "6691860").PN. OR ("7000756").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:27 |
| S55 | 5 | ("4473147" "4651879" "5743377" "6302172" "6692050").PN. OR ("6959953").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:29 |
| S56 | 4 | ("4391578" "5232717" "5683729").PN. OR ("6779651").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 11:30 |
| S57 | 195 | (198/474.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 12:28 |
| S58 | 13 | ("2621841" "4005966" "4355968" "4479772" "4667531" "5039298" "5116217" "5326250" "5346386" "5683729" "5863571" "6152723"). PN. OR ("7311515").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 12:28 |
| S59 | 275 | (198/606).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 12:44 |
| S60 | 18 | ("1487601" "2303587" "2961020" "3454142" "4798281" "5029696" "5657615" "6179115" "6260690" "6296107"). PN. OR ("6533104").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 12:45 |

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|-----|-----|--|---------------------------|----|-----|---------------------|
| S61 | 26 | ("3179237" "3286817" "3454142" "3848864" "4570785" "4629063" "4705159" "4874081").PN. OR ("5029696").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 12:46 |
| S63 | 261 | (198/629).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 12:56 |
| S64 | 379 | (198/633).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 12:58 |
| S65 | 109 | (198/678.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 13:05 |
| S66 | 334 | (198/680).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 13:14 |
| S67 | 149 | (198/681).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 13:35 |
| S68 | 73 | (198/683).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 13:43 |
| S69 | 18 | ("3775967" "3955667" "3999730" "4339031" "4620474" "4838410" "5074678" "5129506" "5287811" "5755316" "6113273" "6116810" "6155405" "6186303" "6196377").PN. OR ("6499588").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 13:43 |
| S70 | 0 | ("2755914").URPN. | USPAT | OR | OFF | 2008/11/03 13:49 |
| S71 | 59 | (198/684).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 13:52 |
| S72 | 89 | (198/685).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 13:56 |
| S73 | 115 | (198/687).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 14:02 |
| S74 | 372 | (198/793).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 14:11 |
| S75 | 0 | ("2005/0247546").URPN. | USPAT | OR | OFF | 2008/11/03 14:13 |
| S76 | 372 | (198/801).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 14:21 |
| S77 | 74 | (198/867.01).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 14:26 |
| S78 | 71 | (198/867.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 14:33 |
| S79 | 121 | (198/803.3).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 14:38 |
| S80 | 320 | (198/836.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 15:53 |

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|-----|-----|--|---|----|-----|---------------------|
| S81 | 240 | (198/837).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 16:03 |
| S82 | 260 | (198/838).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 16:10 |
| S83 | 288 | (198/845).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/03 16:25 |
| S84 | 13 | ("3319778" "4895239" "4951807" "4993540" "5141102").PN. OR ("5400898").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/03 16:30 |
| S85 | 61 | ("0653827" "1381974" "1492275" "1831122" "1915482" "2580054" "2619843" "2932376" "3294216" "3370693" "3506105" "3874497" "4168776").PN. OR ("4413724").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/05 14:10 |
| S86 | 31 | ("1726657" "1733409" "2078236" "2168191" "2346583" "2363920" "2465690" "2986261" "3160259" "3701407" "3721331" "3960266" "4413724" "4549647" "4690266" "5088589" "5228551" "5634550" "5772005" "6202829" "6241074" "6478144"). PN. OR ("6896120").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/05 14:11 |
| S87 | 19 | ("4413724" "4513858" "4549647" "5490589" "5772005" "6016904" "6152291").PN. OR ("6591963").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/05 14:17 |
| S88 | 2 | ("7219788").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/05 14:19 |
| S89 | 12 | ("3838767" "4179026" "4549647" "5314054" "6591963" "6612417"). PN. OR ("6848563").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/05 16:41 |
| S90 | 5 | ("4905818" "6227589" "6234466" "6578843" "6830241").PN. OR ("7404549").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 07:40 |

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|-----|-----|--|---------------------------|----|-----|---------------------|
| S91 | 14 | ("3877861" "4005966" "4355968" "4479772" "4929450" "5039298" "5116217" "5326250" "5346386" "5683729" "5863571" "5975278" "6152723" "6345713"). PN. OR ("7442031").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 07:43 |
| S92 | 13 | ("2621841" "4005966" "4355968" "4479772" "4667531" "5039298" "5116217" "5326250" "5346386" "5683729" "5863571" "6152723"). PN. OR ("7311515").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 07:46 |
| S93 | 228 | ("0766329" "1058096" "1073067" "1883007" "1892463" "20010002532" "20010013459" "20010027825" "20010052216" "20020011400" "20020060132" "20020079199" "20020139436" "20020139645" "20020144880" "20030000969" "20030029700" "20030037514" "20030047427" "20030075547" "20030106779" "20030116222" "20030173186" "20040151842" "20050103599" "20050103602" "20050103603" "20050103604" "20050103605" "20050103606" "20050155843" "2237197" "2258717" "2270709" "2611524" "2666564" "2723790" "2766635" "3028713" "3067863" "3125370" "3168123" "3308928" "3519108" "3590982" "3608700" "3664491" "3703954" "3742989" "3747737" "3754637" "3777877" "3794315" "3818785" "3826293" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 07:47 |

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| "4033862" | "4053003" |
| "4064987" | "4068882" |
| "4096939" | "4106612" |
| "4126163" | "4159608" |
| "4159762" | "4166527" |
| "4171738" | "4172514" |
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| "4532968" | "4533038" |
| "4567919" | "4588001" |
| "4638906" | "4678077" |
| "4697691" | "4745007" |
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| "4793261" | "4807421" |
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| "4878577" | "4901844" |
| "4921294" | "4925013" |
| "4934517" | "4936072" |
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| "5400894" | "5427227" |
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| "5477659" | "5487461" |
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| "5595221" | "5603399" |
| "5611418" | "5620084" |
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| "5693113" | "5697490" |
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| "5931282" | "5947262" |
| "5960838" | "5960927" |
| "5975280" | "5979147" |
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| "6050060" | "6062799" |
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| | | "6141943" "6148589" "6182819" "6186314" "6209716" "6220444" "6234300" "6237750" "6253809" "6276409" "6321897" "6334473" "6334526" "6341630" "6343628" "6343690" "6374997" "6474368" "6474464" "6494238" "6494307" "6520316" "6533103" "6533126" "6581653" "6601697" "6612095" "6612567" "6619472" "6629403" "6675951" "6684602" "6692050" "6742647" "6748983" "6761264" "6772876" "6905012" "7021453" "7036658" "7055676" "7055677"). PN. OR ("7264113").URPN. | | | | |
| S94 | 28 | ("1124168" "3469675" "3513964" "3987888" "4351429" "4809846" "4941561" "5000311" "5090557" "5219065" "5323893" "5429226" "5497874" "5507383" "5630499").PN. OR ("6772876").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 07:48 |
| S95 | 5 | ("5683729" "5863571" "6386857" "6649118" "6779651").PN. OR ("7140870").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:08 |
| S96 | 3 | ("4278165" "4635785"). PN. OR ("6814218").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:09 |
| S97 | 12 | ("20030001333" "4211320" "4681213" "5350167" "5425837" "5653432" "5918543" "6003854" "6039317" "6139252" "6264192" "6488278").PN. OR ("6575456").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:11 |
| S98 | 17 | ("3587824" "3809214" "4072228" "4550822" "4606173" "4905818" "5112041" "5433430" "5727783" "5740900"). PN. OR ("5992610").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:12 |

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|------|------|--|---|----|-----|---------------------|
| S99 | 11 | ("4294345" "4512457" "4638906" "4746007" "4852722" "5188349" "5261656" "5380000" "5992610" "6007064" "6227589").PN. OR ("6386816").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:13 |
| S100 | 36 | ("2808146" "3052341" "3107778" "3155227" "3556286" "3651924" "3877567" "3934708" "4422544" "4433777" "4438842" "4645070" "4932516" "5083655"). PN. OR ("5620084").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:16 |
| S101 | 41 | ("2298386" "2463970" "3450250" "3575282" "3952860" "4290762" "4555014" "4597492" "4664253" "4893709" "5076422" "5127515" "5307923").PN. OR ("5429227").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:18 |
| S102 | 3 | ("4294345" "5129506"). PN. OR ("5411133").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:21 |
| S103 | 13 | ("3319778" "4895239" "4951807" "4993540" "5141102").PN. OR ("5400898").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:21 |
| S104 | 11 | ("2323920" "3486605"). PN. OR ("4838410").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:23 |
| S105 | 18 | ("3775967" "3955667" "3999730" "4339031" "4620474" "4838410" "5074678" "5129506" "5287811" "5755316" "6113273" "6116810" "6155405" "6186303" "6196377").PN. OR ("6499588").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 08:23 |
| S106 | 130 | (198/836.2).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 08:28 |
| S107 | 383 | (198/840).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 08:32 |
| S108 | 504 | (198/850).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 08:40 |
| S109 | 2493 | (198/85\$).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/06 09:38 |

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| S110 | 364 | S109 and ((roller or rollers or wheel or wheels) and (spring or springs or tension)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/06 09:39 |
| S111 | 24 | ("2142003" "2755533" "3174617" "3491402" "3742863" "4200963" "4330499" "4614011" "4890365").PN. OR ("5161674").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 09:51 |
| S112 | 1441 | "198".clas. and (link near2 chain) and ((roller or rollers or wheel or wheels) and (spring or springs or tension)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/06 10:10 |
| S113 | 1305 | S112 not S109 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/06 10:11 |
| S114 | 33 | ("20030047475" "2528912" "3415350" "3451523" "3541751" "3572913" "3618743" "3635322" "3811243" "3816968" "3848394" "3934714" "4051366" "4344522" "4383601" "4428474" "4561534" "4596330" "4640406" "5048717" "5058724" "5074399" "5215180" "5224586" "5755335" "6398006" "6484478" "6688465").PN. OR ("6868652").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 10:21 |
| S115 | 12 | ("3777875" "3945486" "3981673" "4086999" "4310282" "4340249" "4572355" "4675070" "4799853" "4890726" "6471038").PN. OR ("6761556").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 10:27 |
| S116 | 8 | ("2548683" "3955496" "4418815" "4846656" "5857562").PN. OR ("6471038").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 10:27 |

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|------|-----|---|---------------------------|----|-----|---------------------|
| S117 | 18 | ("2973721" "3795200" "4250988" "4351241" "4930425" "4942956" "5038900" "5231932" "5450942" "5819906" "6241082" "6270076" "6341686" "6554127" "6675954").PN. OR ("6745891").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 10:30 |
| S118 | 354 | (104/172.4).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 10:35 |
| S119 | 728 | ((198/465.3) or (198/465.4)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 10:37 |
| S120 | 39 | ("1270755" "1412444" "1825950" "2608287" "2935367" "3100041" "3265193" "3515257" "3664482" "3887089" "4037715" "4139092" "4191435" "4212384" "4214848" "4421227" "4465177" "4493414" "4524863" "4712650" "4729466" "4949832" "4986411" "4987992" "5050726" "5058729" "5101963" "5188245" "5207314").PN. OR ("6394260").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 10:43 |
| S121 | 22 | ("2385997" "3186028" "3507005" "3764284" "3787170" "3901180" "3958685" "4013164" "4050402" "4082175" "4106886" "4312439" "4313720" "4401212" "4409161" "4512456"). PN. OR ("4801001").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 11:10 |
| S122 | 32 | ("2997018" "3097961" "3185131" "3341353" "3648821" "3734765" "3765474").PN. OR ("3901180").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 11:13 |
| S123 | 31 | ("3590982" "3901180" "3938847" "3944058" "3951285" "4106612" "4199291" "4215967" "4262795" "4287980" "4541524" "5529191" "5797249").PN. OR ("6209710").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 11:14 |
| S124 | 34 | (198/485.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 11:19 |

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|------|-----|---|---|----|-----|---------------------|
| S125 | 22 | ("0936917" "1876373" "1903488" "2546374" "3202259" "3308768" "3424104" "3577930" "3807314" "3993204" "4461216" "4850281" "4875573" "5875573"). PN. OR ("6644211").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 11:28 |
| S126 | 88 | S118 and ((roller or rollers or wheel or wheels) and (spring or springs or tension)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/06 11:31 |
| S127 | 17 | ("1837605" "3648819" "3695462" "3776395" "4468165" "4712964" "4720228" "4917227" "5203445" "5301790" "5337881" "5351801"). PN. OR ("5934444").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 11:51 |
| S128 | 123 | (198/364).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 12:43 |
| S129 | 451 | (198/367).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 12:49 |
| S130 | 9 | ("3278000" "4050323" "4294345" "4766997" "6321523" "6782687" "6978886" "7063207"). PN. OR ("7334677").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 12:56 |
| S131 | 13 | ("2621841" "4005966" "4355968" "4479772" "4667531" "5039298" "5116217" "5326250" "5346386" "5683729" "5863571" "6152723"). PN. OR ("7311515").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 12:57 |
| S132 | 14 | ("1981642" "3947180" "4069002" "4355968"). PN. OR ("5116217").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 12:58 |
| S133 | 16 | ("4096936" "4763771" "4781281" "4884676" "5588520" "5690209" "5701992" "5901830" "6253901" "6253910" "6273268" "6360673" "6446782" "6796417" "6889814" "6938750"). PN. OR ("7080725").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:02 |

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|------|----|--|---------------------------|----|-----|---------------------|
| S134 | 12 | ("5018928" "5325972" "5445080" "5555814" "5632589" "5662045" "5664660" "5676061" "5676514" "5690209"). PN. OR ("6360673").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:03 |
| S135 | 19 | ("0843520" "2954743" "3012519" "3777669" "4402272" "4423685" "4480157" "4503778" "4520733" "4779537" "4860662" "4903610" "5012746" "5235917"). PN. OR ("5555814").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:04 |
| S136 | 6 | ("3033126" "3659529"). PN. OR ("3777669").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:05 |
| S138 | 1 | ("6601690").PN. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 13:09 |
| S139 | 8 | ("3207262" "3782522" "4840124" "4977996" "5056438" "5072822" "5799769").PN. OR ("6601690").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:10 |
| S140 | 7 | ("4082175" "4299549" "4352424" "4572355" "4693375" "5116217" "5857562").PN. OR ("6582217").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:12 |
| S141 | 8 | ("2548683" "3955496" "4418815" "4846656" "5857562").PN. OR ("6471038").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:13 |
| S142 | 9 | ("2548683" "3955496" "4693375" "5116217" "5857562").PN. OR ("6422379").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:13 |
| S143 | 34 | ("1621205" "1841297" "2763361" "2904860" "3002604" "3155227" "3314526" "3493097" "3570586" "3747535" "3747666" "3835917" "4013163" "4331195" "4349101" "4351637" "4432450" "4794978" "4825999" "4895202" "5119925" "5133401" "5164777" "5168980" "5217103" "5400898"). PN. OR ("6076657").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/06 13:19 |
| S144 | 86 | (198/341.01).OCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 16:17 |

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|------|-----|---|---------------------------|----|-----|---------------------|
| S145 | 51 | (198/341.08).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 16:23 |
| S146 | 29 | (198/341.09).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 16:26 |
| S147 | 109 | (198/348).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 16:31 |
| S148 | 165 | (198/370.01).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/06 16:37 |
| S149 | 22 | ("2942719" "3470995" "4172514").PN. OR ("4530433").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:07 |
| S150 | 225 | ("0766329" "1058096" "1073067" "1883007" "1892463" "20010002532" "20010013459" "20010027825" "20010052216" "20020011400" "20020060132" "20020079199" "20020139436" "20020139645" "20020144880" "20030000969" "20030029700" "20030037514" "20030047427" "20030075547" "20030106288" "20030106779" "20030116222" "20030173186" "20040151842" "20050103599" "20050103602" "20050103603" "20050103604" "20050103605" "20050103606" "2258717" "2270709" "2611524" "2666564" "2723790" "2766635" "3028713" "3067863" "3125370" "3168123" "3308928" "3519108" "3590982" "3608700" "3664491" "3703954" "3742989" "3747737" "3754637" "3777877" "3794315" "3818785" "3826293" "3854574" "3858709" "3860104" "3881592" "3910404" "3944058" "3949859" | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:10 |

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| "3990209" | "3992766" |
| "4018325" | "4033862" |
| "4053003" | "4064987" |
| "4068882" | "4096939" |
| "4106612" | "4126163" |
| "4159608" | "4159762" |
| "4166527" | "4171738" |
| "4172514" | "4183428" |
| "4208852" | "4257727" |
| "4287980" | "4291733" |
| "4335761" | "4467847" |
| "4502587" | "4513858" |
| "4522238" | "4524865" |
| "4530433" | "4532968" |
| "4533038" | "4567919" |
| "4588001" | "4638906" |
| "4678077" | "4697691" |
| "4745007" | "4790421" |
| "4793261" | "4807421" |
| "4817780" | "4823934" |
| "4835946" | "4856144" |
| "4878577" | "4901844" |
| "4921294" | "4925013" |
| "4934517" | "4936072" |
| "4953687" | "5004097" |
| "5029695" | "5035270" |
| "5052166" | "5072573" |
| "5074103") | PN. OR |
| ("5115901" | "5127514" |
| "5170546" | "5219065" |
| "5285884" | "5295523" |
| "5392896" | "5395151" |
| "5400894" | "5427227" |
| "5429227" | "5452568" |
| "5477659" | "5487461" |
| "5497887" | "5509524" |
| "5522439" | "5581975" |
| "5595221" | "5603399" |
| "5611418" | "5620084" |
| "5642604" | "5657615" |
| "5693113" | "5697490" |
| "5722655" | "5768860" |
| "5775067" | "5778634" |
| "5791453" | "5810151" |
| "5878796" | "5890584" |
| "5915524" | "5927504" |
| "5931282" | "5947262" |
| "5960838" | "5960927" |
| "5975280" | "5979147" |
| "6029797" | "6038833" |
| "6050060" | "6062799" |
| "6079541" | "6112885" |
| "6119440" | "6119848" |
| "6141943" | "6148589" |
| "6182819" | "6186314" |
| "6209716" | "6220444" |
| "6234300" | "6237750" |

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|------|----|---|---------------------------|----|-----|---------------------|
| | | "6253809" "6276409" "6321897" "6334473" "6334526" "6341630" "6343628" "6343690" "6374997" "6474368" "6474464" "6494238" "6494307" "6520316" "6533103" "6533126" "6581653" "6601697" "6612095" "6612567" "6619472" "6629403" "6675951" "6684602" "6692050" "6742647" "6748983" "6761264" "6772876" "6905012" "7021453" "7036658" "7055676" "7055677"). PN. OR ("7216758").URPN. | | | | |
| S151 | 14 | ("2415997" "3583544" "4735761" "5558200" "5598859").PN. OR ("6905012").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:11 |
| S152 | 34 | ("1944255" "2882061" "3124232" "3545803" "3938847" "3944058" "3945486" "4032185" "4086999" "4291910" "4304398" "4340249" "4540211" "4541524" "4572355" "4640406" "4890726" "4927205" "5031749").PN. OR ("5558200").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:12 |
| S153 | 11 | ("20040087401" "20040118661" "4616960" "4640406" "4927205" "5261527" "5415274" "5419427" "5542526" "5558200" "5769476").PN. OR ("7037227").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:12 |
| S154 | 9 | ("3945486" "4082175" "4530433" "4630169" "5698269" "5769476" "5769949" "6132562" "6333595").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:20 |
| S155 | 25 | ("1190581" "1728418" "3232657" "3863753" "4468277" "4591046" "5693113" "6079541"). PN. OR ("6692050").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:23 |
| S156 | 21 | ("4602473" "4655029" "4840014" "5150558"). PN. OR ("6494238").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:28 |

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|------|-----|---|---------------------------|----|-----|---------------------|
| S157 | 37 | ("1812715" "3410390" "3416645" "3612244" "3849918" "3881592" "3900647" "3982625" "4827644" "4979591" "5165526" "5209340" "5244080" "5280831" "5330044" "6044961"). PN. OR ("6186314").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 08:34 |
| S158 | 40 | ("0798244" "0924360" "1095228" "1652597" "1668427" "1740233" "2210529" "2240717" "2258717" "2360209" "2876604" "2942719" "3108682" "3591027" "3860107" "3901180" "3975260" "4104081" "4114347" "4172514" "4199291" "4200183" "4530433" "4616684" "4635662").PN. OR ("5353908").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 09:39 |
| S159 | 16 | ("2634737" "2696823" "3563256" "4102351" "4104081" "4427020"). PN. OR ("4635662").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 09:40 |
| S160 | 6 | ("2910992" "3556847" "3677273").PN. OR ("4427020").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 09:40 |
| S161 | 216 | (198/800).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/07 09:44 |
| S162 | 415 | (198/802).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/07 09:53 |
| S163 | 24 | ("3277995" "3986596" "4637508" "4760908" "4884677" "4890724" "4896760" "4941561" "4984675" "5027939"). PN. OR ("5191959").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 09:55 |
| S164 | 14 | ("2181603" "2329311" "3630242" "3674060"). PN. OR ("3998030").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/07 10:03 |
| S165 | 7 | ("2932376" "4513858" "6065585" "6422380" "6591963" "6725998"). PN. OR ("7219788").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 08:48 |

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|------|-----|--|--|----|-----|---------------------|
| S166 | 59 | ("1168905" "1381974" "1492275" "1831122" "2619843" "2932376" "3370693" "4168776" "4173280" "4194343" "4299322").PN. OR ("4513858").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 09:03 |
| S167 | 173 | (US-20060225989-\$ or US- 20050217977-\$ or US- 20040035678-\$ or US- 20040151842-\$ or US- 20060185962-\$ or US- 20030178284-\$ or US- 20030066733-\$ or US- 20030019726-\$ or US- 20020157921-\$ or US- 20010054540-\$ or US- 20040065525-\$ or US- 20030034227-\$ or US- 20070235288-\$ or US- 20080223691-\$ or US- 20080210520-\$ or US- 20020053499-\$ or US- 20010030112-\$ or US- 20080011587-\$ or US- 20050167241-\$ or US- 20040030442-\$ or US- 20040016624-\$ or US- 20030150696-\$ or US- 20020195317-\$ or US- 20070289845-\$ or US- 20030201153-\$ or US- 20050023109-\$).did. or (US-7178658-\$ or US- 6817464-\$ or US-6725997- \$ or US-6354427-\$ or US- 7413072-\$ or US-7191896- \$ or US-7032742-\$ or US- 6725998-\$ or US-6698581- \$ or US-6681915-\$ or US- 6550602-\$ or US-6533103- \$ or US-6523669-\$ or US- 6478134-\$ or US-6382398- \$ or US-6325198-\$ or US- 6260688-\$ or US-6230874- \$ or US-6152291-\$ or US- 5772005-\$ or US-5490589- \$ or US-4549647-\$ or US- 4413724-\$ or US-2932376- \$ or US-7219788-\$ or US- 7171281-\$).did. or (US- 6615091-\$ or US-7341141- \$ or US-7331156-\$ or US- 6436330-\$ or US-5713403- \$ or US-6796342-\$ or US- 6302172-\$ or US-5711411- | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2008/11/13 09:24 |

\$ or US-6079541-\$ or US-7264113-\$ or US-5743377-\$ or US-4468277-\$ or US-7442031-\$ or US-6575456-\$ or US-5992610-\$ or US-5975278-\$ or US-4168773-\$ or US-3902453-\$ or US-3614958-\$ or US-4640406-\$ or US-3783991-\$ or US-3770098-\$ or US-6973767-\$ or US-4838410-\$ or US-6241074-\$ or US-3575282-\$ or US-4294345-\$.did. or (US-7404549-\$ or US-7278531-\$ or US-7140870-\$ or US-6779651-\$ or US-5863571-\$ or US-7000756-\$ or US-6959953-\$ or US-6520318-\$ or US-7311515-\$ or US-2755914-\$ or US-6814218-\$ or US-5411133-\$ or US-5400898-\$ or US-5129506-\$ or US-4903823-\$ or US-6896120-\$ or US-6846145-\$ or US-6591963-\$ or US-6758321-\$ or US-4513858-\$ or US-4479772-\$ or US-4355968-\$ or US-7299832-\$ or US-5620084-\$ or US-5429227-\$ or US-4746007-\$ or US-4638906-\$.did. or (US-4530433-\$ or US-4068882-\$ or US-3590982-\$ or US-6386816-\$ or US-4852722-\$ or US-3587824-\$ or US-4422544-\$ or US-3934708-\$ or US-5645159-\$ or US-7334677-\$ or US-5680924-\$ or US-3774545-\$ or US-3496784-\$ or US-7252192-\$ or US-6527106-\$ or US-6125996-\$ or US-6076657-\$ or US-5161674-\$ or US-5970589-\$ or US-5407061-\$ or US-5402556-\$ or US-5367753-\$ or US-5265313-\$ or US-4890365-\$ or US-3491402-\$ or US-3797635-\$ or US-7080725-\$.did. or (US-6868652-\$ or US-6761556-\$ or US-6471038-\$ or US-6745891-\$ or US-7431142-\$ or US-6675954-\$ or US-5819906-\$ or US-6612559-\$ or US-6394260-\$ or US-4729466-\$ or US-4212384-

| | | | | | | |
|------|-----|--|--|----|-----|---------------------|
| | | \$ or US-5558201-\$ or US-5129163-\$ or US-4982944-\$ or US-6644211-\$ or US-7377377-\$ or US-4785738-\$ or US-6293388-\$ or US-6135266-\$ or US-5919023-\$ or US-4625854-\$ or US-5116217-\$ or US-6422379-\$ or US-6582217-\$ or US-4480157-\$ or US-3777669-\$ or US-6601690-\$.did. or (US-5558200-\$ or US-5581975-\$ or US-3125370-\$ or US-5353908-\$ or US-5191959-\$.did. or (US-2768733-\$ or US-3107778-\$.did. or (DE-102005041120-\$ or WO-2006077050-\$ or WO-2005037685-\$ or DE-10348431-\$ or WO-78664-\$.did. or (GB-2399797-\$.did. | | | | |
| S168 | 1 | S167 and ((positive or friction) near2 lock) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2008/11/13 09:26 |
| S169 | 5 | ("5683729" "5863571" "6386857" "6649118" "6779651").PN. OR ("7140870").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 09:44 |
| S170 | 334 | (198/680).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/13 10:25 |
| S171 | 61 | S170 and spring | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 10:25 |
| S172 | 499 | ((198/842) or (198/843)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/11/13 10:32 |
| S173 | 1 | ("6119848").PN. | US-PGPUB; USPAT | OR | OFF | 2008/11/13 12:02 |
| S174 | 1 | ("6209716").PN. | US-PGPUB; USPAT | OR | OFF | 2008/11/13 12:05 |
| S175 | 40 | ("3768631" "3910406" "4153152" "4640410" "4852722" "4886158" "4895248" "5000311" "5402880" "5404997" "5429226" "5586644" "5803236").PN. OR ("6209716").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 12:05 |
| S176 | 8 | ("4088220" "4498397" "4712670" "5271139" "5299680" "5388684" "5447220").PN. OR ("6135266").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 12:16 |

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|------|----|--|---------------------------|----|-----|---------------------|
| S177 | 9 | ("2689657" "3915293" "4567988" "5096047").PN. OR ("5558201").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 12:19 |
| S178 | 16 | ("1421178" "2789685" "2980236" "3225901").PN. OR ("3575282").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 12:27 |
| S179 | 6 | ("2789685").URPN. | USPAT | OR | OFF | 2008/11/13 12:28 |
| S180 | 39 | ("1270755" "1412444" "1825950" "2608287" "2935367" "3100041" "3265193" "3515257" "3664482" "3887089" "4037715" "4139092" "4191435" "4212384" "4214848" "4421227" "4465177" "4493414" "4524863" "4712650" "4729466" "4949832" "4986411" "4987992" "5050726" "5058729" "5101963" "5188245" "5207314").PN. OR ("6394260").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 16:32 |
| S181 | 13 | ("1663746" "1771022" "2725020" "3107778" "4037715").PN. OR ("4524863").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/13 16:34 |
| S182 | 9 | ("3278000" "4050323" "4294345" "4766997" "6321523" "6782687" "6978886" "7063207").PN. OR ("7334677").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/11/14 10:09 |
| S183 | 2 | ((("3990316") or ("6279722")).PN. | US-PGPUB; USPAT | OR | OFF | 2008/11/14 10:12 |
| S184 | 40 | ("1810419" "2788140" "20080142336" "3297138" "3664487" "3968861" "4018325" "4153858" "4399909" "4469219" "4565284" "4989718" "5022609" "5413213" "5490589" "5722655" "5772005" "6119848" "6152291" "6182812" "6209716" "6230874" "6241074" "6260688" "6334528" "6382398" "6497321" "6523669" "6533103" "6550602" "6585104" "6601697" "6612420" "6698581" "6725998" "6761264" "7021452"). | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/20 18:51 |

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|------|-------|---|---------------------------|----|-----|---------------------|
| | | PN. | | | | |
| S185 | 4 | ((("1810419") or ("5022609") or ("4399909") or ("3968861"))).PN. | US-PGPUB; USPAT | OR | OFF | 2009/05/21 14:00 |
| S186 | 1 | ("5546819").PN. | US-PGPUB; USPAT | OR | OFF | 2009/05/21 14:41 |
| S187 | 12 | ("3916694" "4574646" "4852415" "4858768" "4880120" "4962771" "5067616" "5101609" "5297434" "5383322").PN. OR ("5546819").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/21 14:42 |
| S188 | 1 | ("6688839").PN. | US-PGPUB; USPAT | OR | OFF | 2009/05/21 14:44 |
| S189 | 7 | ("20030168314" "4259826" "4651879" "5060455" "6196788" "6308817" "6591967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/05/22 10:09 |
| S190 | 2 | (kaiser and haupt).in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/01 20:48 |
| S191 | 29 | ("4142626" "4168776" "4549647" "4697691" "4872543" "5361888" "5413213" "5680923" "5772005" "5833045" "6523669" "6698581" "6016904" "6026947" "6152291" "6182812" "6230874" "6394261" "6422380" "6497321" "6533103" "6591963" "6612420" "6814533" "6848563" "7341141" "7032742" "7198147" "7222718").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/15 11:21 |
| S192 | 305 | (198/434).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/09/15 17:17 |
| S196 | 2 | ((("1810419") or ("5022609"))).PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/30 11:13 |
| S197 | 1 | ("6591963").PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/30 11:26 |
| S198 | 13848 | chain and (link or links) and lever and (roller or rollers) and convey\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 16:03 |
| S199 | 2436 | S198 and "198".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 16:04 |
| S200 | 3839 | S198 and rail | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 16:04 |

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|------|-----|--|---------------------------|----|-----|---------------------|
| S201 | 799 | S200 and "198".clas. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 16:04 |
| S202 | 586 | S200 and (gripper or grippers) | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 16:05 |
| S203 | 12 | ((("20060096835") or ("3897875") or ("4086999") or ("4082175") or ("4068882") or ("3985223") or ("3952874") or ("5009168") or ("3717102") or ("6550392") or ("6457418") or ("20080093197"))).PN. | US-PGPUB; USPAT | OR | OFF | 2010/03/12 12:28 |
| S204 | 184 | ("0785044" "0826812" "0928172" "1854453" "2282767" "2532849" "2589561" "2661979" "2670797" "2714523" "2824577" "2954996" "2976984" "2988396" "3006680" "3067861" "3083813" "3099966" "3134620" "3144121" "3146873" "3150775" "3159396" "3184279" "3198312" "3204997" "3219204" "3314714" "3411768" "3545804" "3580188" "3590982" "3625317" "3628462" "3648625" "3722710" "3747737" "3750879" "3751932" "3760930" "3765533" "3794197" "3794369" "3829147" "3877569" "3885825" "3944058" "3945486" "3958685" "4201137" "4221170" "4236454" "4271762" "4335658" "4359000" "4615274" "4838412" "5158021" "5224425" "5255760" "5739610" "5829356" "5862891" "6062350" "6170402").PN. OR ("2006/0096835" "2008/0093197" "3717102" "3897875" "3952874" "3985223" "4068882" "4082175" "4086999" "5009168" "6457418" "6550392"). | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/12 12:35 |

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|------|-----|--|---|----|-----|---------------------|
| | | URPN. | | | | |
| S205 | 0 | ("1810419").URPN. | USPAT | OR | OFF | 2010/03/12 13:41 |
| S206 | 2 | ((("2611493") or ("4909373")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/03/12 15:00 |
| S207 | 2 | ((("4005908") or ("5400898")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/07/13 19:50 |
| S208 | 2 | "2002326712" | JPO | OR | OFF | 2010/07/13 19:51 |
| S209 | 163 | (chain and roller and lever and link) | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/07/13 19:59 |

EAST Search History (I nterference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------|------------------|---------|------------------|
| S193 | 0 | (conveyor and variable and carriage and drive and input and output and chain and link).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2009/09/15 17:24 |
| S194 | 1 | (conveyor and variable and carriage and drive and chain and link).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2009/09/15 17:25 |
| S195 | 40 | (conveyor and variable and drive and chain and link).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2009/09/15 17:25 |

7/ 16/ 2010 3:02:26 PM

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